

Clear Interactive Foil

Pro Display produce a range of clear interactive touch screen foils that can be used in conjunction with our projection screens or LCD TFT screens. The foils are made using a hardened coated PET layer which can be activated by direct touch or through glass / acrylic up to 20mm thick. The interactive touchscreen foil technology is ideally suited for store window applications and information points (kiosks). The foils come complete with either a PSA adhesive layer for permanent installations or with a cling film liner which can be removed for a semi permanent installations.



Standard Foil Sizes

4:3 - 30", 32", 40", 50", 60", 67"

16:9 - 30", 32", 40", 50", 60", 67"

Interactive Technology

Projected capacitance using horizontal/vertical wires

Touch Accuracy

3mm absolute, 1mm relative, no drift

Alignment

Software drivers are supplied to calibrate the interactive foil

Sensitivity

Adjustment carried out by the software provided. The foil can be programmed for different thicknesses of glass and even for gloved hands. The foil will function with single layer non metalised glass up to 20mm (0.78") thickness.

Response Speed

Typically 50-100ms (depends upon thickness of the glass).

Output

USB connection.

Software Compatibility

Drivers available for Windows Operating Systems, digitally signed off by Microsoft.

Temperature Range

Better than -10 to +70° C



Humidity Control

0% to 95%. Unaffected by condensation.

Light Transmission

Better than 85%.

Approvals

CE and UL approved.

89/336/EEC (EN55022 Class B) & FCC (Sub-Part J, Part 15, Class A)

RoHS Compliant.



Custom sized Interactive Foil Screens can be produced on request for OEM clients.

Why choose Pro Display?

Pro Display's Foil Vs. Other manufacturer's foil.

Projected Capacitance Technology

Our harden coated PET layer offers greater protection for fine copper cores, giving greater longevity and reliability

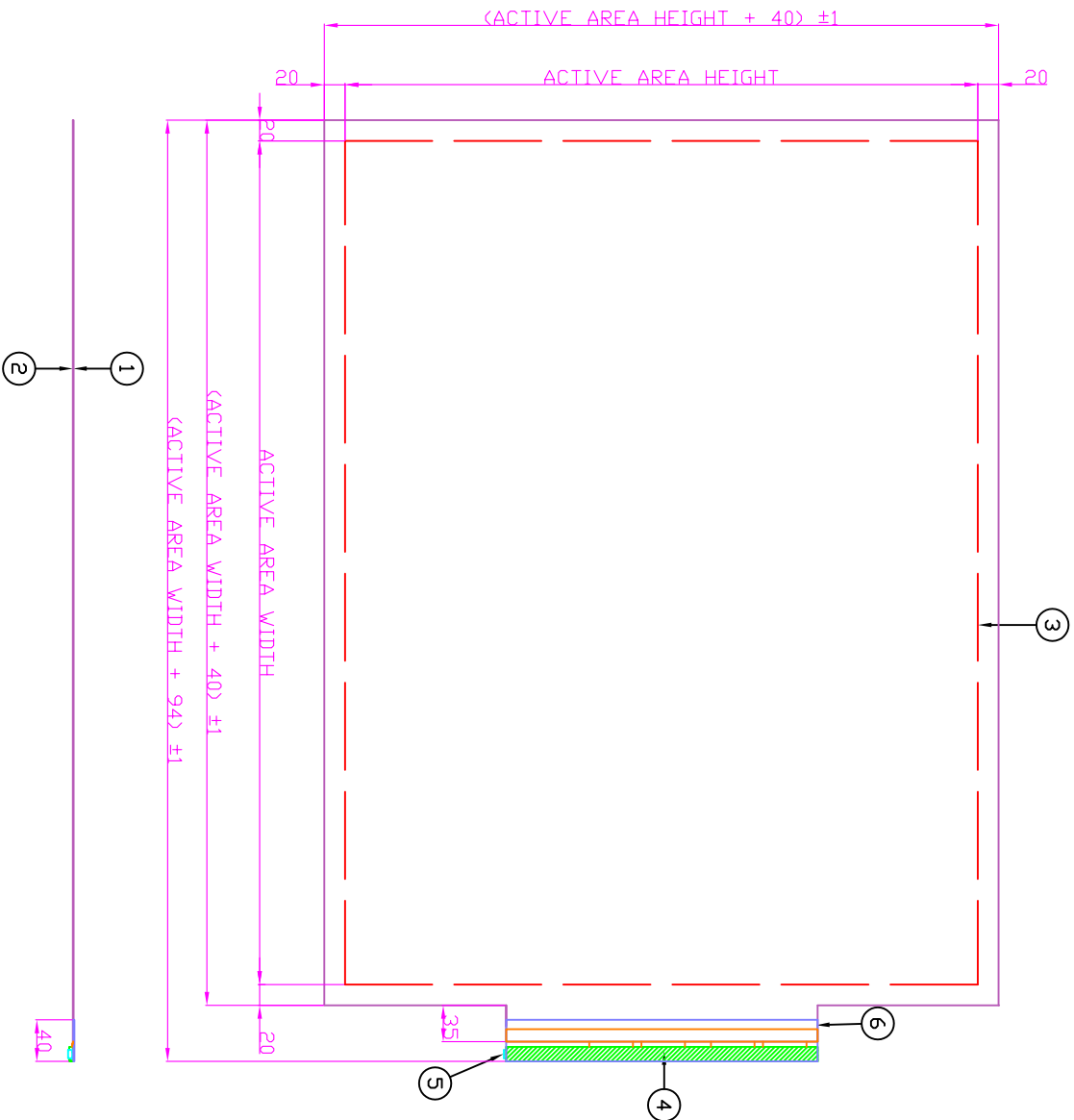
- Provides greater optical clarity
- Allows you to touch the foil directly without damage
- Touch, durable and resilient
- Does not crease or tear
- Easy to clean without scratching



Upgraded Drivers offering greater stability and reliability - digitally signed off by Microsoft.

- USB connection (EMC approved)
- Both CE and UL approved
- RoHS Compliant
- Improved driver means less interference
- Improved software allowing simple set up and greater sensitivity adjustments without changing the resistor.

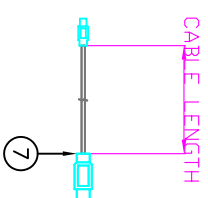
FRONT VIEW



NOTES:

1. FRONT HARD COATED POLYESTER FILM (OPTIONALLY WITH OUTER ADHESIVE LAYER)
2. REAR HARD COATED POLYESTER FILM
3. ACTIVE AREA
4. 64 WAY USB CONTROLLER
5. USB MINI B TYPE SOCKET
6. 1mm POLYCARBONATE PLATE
7. USB LEAD (TYPE MINI B MALE TO TYPE A MALE)
8. BLACK INSULATION TAPE COVERING SOLDER JOINTS

CABLE / CONNECTOR



Title: Side Controller Touch Screen Film

Third Angle Projection



All Dimensions In Millimeters

Part no: See Sheet 4

Scale: Not Controlled

Designed by: CC

Checked by:

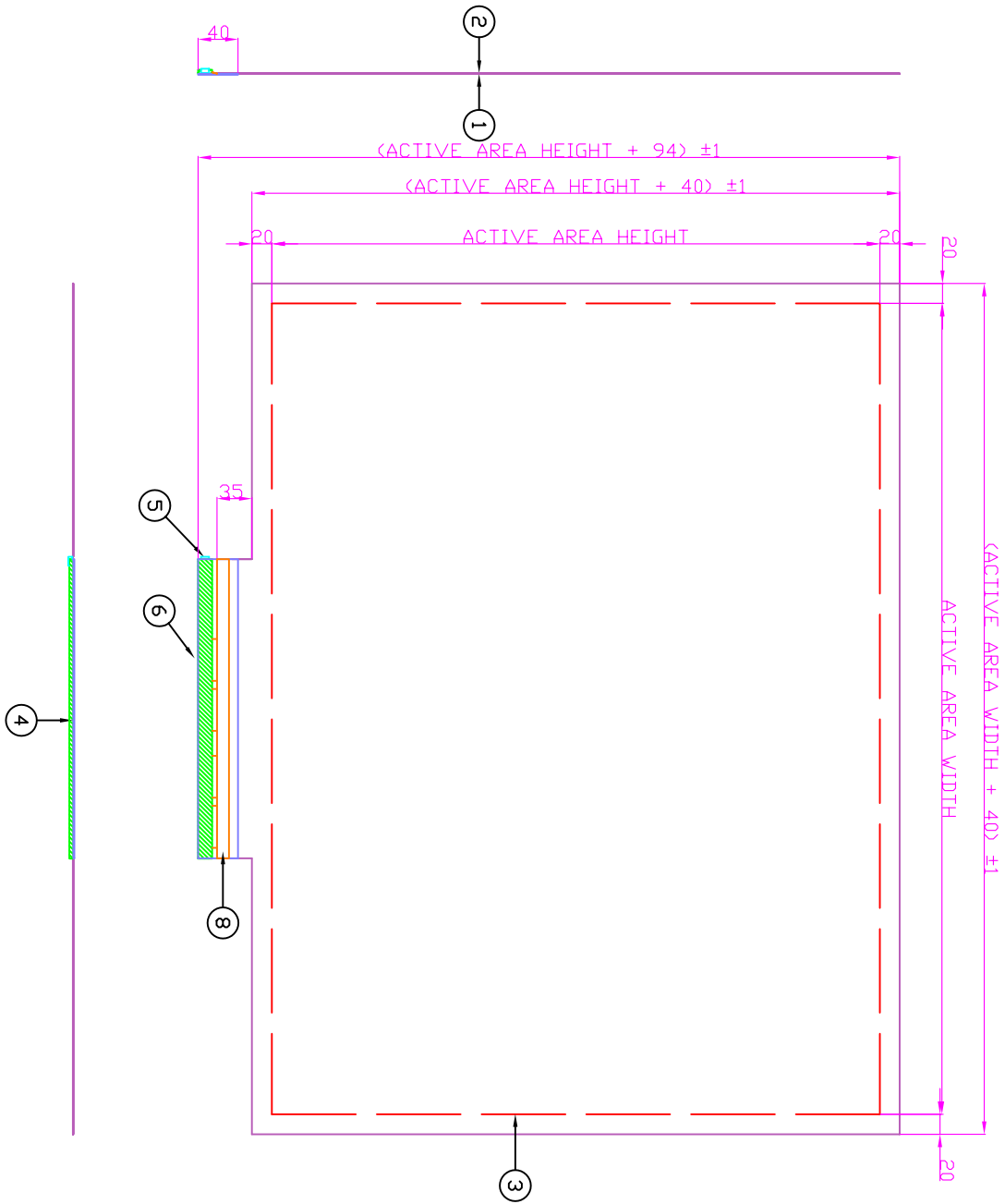
Approved by:

Date: 15/05/07

Sheet: 1 of 4

PRODISPLAY™

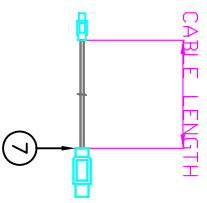
FRONT VIEW



NOTES:

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CABLE / CONNECTOR



Title: Top or Bottom Controller Touch Screen Film		Date: 15/05/07
Part no: See Sheet 4	Scale: Not Controlled	Sheet: 2 of 4
Designed by: CC	PRODISPLAY™	
Checked by:		
Approved by:		
Third Angle Projection		
All Dimensions In Millimeters		

Rev. | Revision note

Rev'd | Chk'd | App'd | Date

M5 EYELET

BRAIDED CABLE (LENGTH: USB
CABLE LENGTH + 100mm, 2mm
WIDTH)

50mm HEAT SHRINK

M3 EYELET TO BE CRIMPED
(USING CRIMP TOOL) TO
END OF BRAIDED CABLE

EYELETS CONNECTED WITH:
1 X M3 SCREW
1 X M3 NUT
2 X M3 STAR WASHER

M3 EYELET TO BE CRIMPED
(USING CRIMP TOOL) TO
END OF BRAIDED CABLE

Title: Grounding Cable Details

Third Angle
Projection



All Dimensions
In Millimeters

Part no: See Sheet 4

Date: 15/05/07

Scale: Not Controlled

Sheet: 3 of 4

Designed by: CC



Checked by:

Approved by:

PRODISPLAY™

Active Area Diagonal Size (inches)	Aspect Ratio	Outer PSA	Active Area Width (mm)	Active Area Height (mm)	Top or Bottom Controller Part Number	Side Controller Part Number
30	4:3	Yes	609.6	457.2	30-0.0002	30-0.0006
32	4:3	Yes	650	488	32-0.0003	32-0.0006
40	4:3	Yes	812.8	609.6	40-0.0003B	40-0.0002B
50	4:3	Yes	1016	762	50-0.0002B	50-0.0006
60	4:3	Yes	1219.2	914.4	60-0.0001B	60-0.0005
67	4:3	Yes	1361.4	1021.1	67-0.0001	67-0.0005
30	4:3	No	609.6	457.2	30-0.0003	30-0.0007
32	4:3	No	650	488	32-0.0002	32-0.0007
40	4:3	No	812.8	609.6	40-0.0004	40-0.0007
50	4:3	No	1016	762	50-0.0003	50-0.0007
60	4:3	No	1219.2	914.4	60-0.0002	60-0.0006
67	4:3	No	1361.4	1021.1	67-0.0002	67-0.0006
30	16:9	Yes	664.1	373.6	30-0.0004	30-0.0008
32	16:9	Yes	708.4	398.5	32-0.0004	32-0.0008
40	16:9	Yes	885.5	498.1	40-0.0005	40-0.0008
50	16:9	Yes	1106.9	622.6	50-0.0004	50-0.0008
60	16:9	Yes	1328.3	747.2	60-0.0003	60-0.0007
67	16:9	Yes	1483.3	834.3	67-0.0003	67-0.0007
30	16:9	No	664.1	373.6	30-0.0005	30-0.0009
32	16:9	No	708.4	398.5	32-0.0005	32-0.0009
40	16:9	No	885.5	498.1	40-0.0006	40-0.0009
50	16:9	No	1106.9	622.6	50-0.0005	50-0.0009
60	16:9	No	1328.3	747.2	60-0.0004	60-0.0008
67	16:9	No	1483.3	834.3	67-0.0004	67-0.0008

Title: Part Numbers

Third Angle Projection	Part no: See Above	Date: 15/05/07
	Scale: Not Controlled	Sheet: 4 of 4
All Dimensions In Millimeters	Designed by: CC	
	Checked by:	
	Approved by:	